

## Title (en)

REFRACTORY OBJECT INCLUDING BETA ALUMINA AND PROCESSES OF MAKING AND USING THE SAME

## Title (de)

FEUERFESTER GEGENSTAND MIT BETA-ALUMINIUMOXID UND VERFAHREN ZU SEINER HERSTELLUNG UND VERWENDUNG

## Title (fr)

OBJET RÉFRACTAIRE COMPRENANT DE LA BÊTA-ALUMINE ET SES PROCÉDÉS DE FABRICATION ET D'UTILISATION

## Publication

**EP 2697177 A4 20141203 (EN)**

## Application

**EP 12771828 A 20120413**

## Priority

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- US 2012033409 W 20120413

## Abstract (en)

[origin: US2012263929A1] A refractory object can include a beta alumina. In an embodiment, the refractory object is capable of being used in a glass fusion process. In another embodiment, the refractory object can have a total Al<sub>2</sub>O<sub>3</sub> content of at least 10% by weight. Additionally, a Mg—Al oxide may not form along a surface of the refractory object when the surface is exposed to a molten glass including an Al—Si—Mg oxide. In a particular embodiment, a refractory object can be in the form of a glass overflow forming block used to form a glass object that includes an Al—Si—Mg oxide. When forming the glass object, the glass material contacts the beta alumina, and during the flowing of the glass material, a Mg—Al oxide does not form along the beta alumina at the surface.

## IPC 8 full level

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## CPC (source: EP KR RU US)

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## C-Set (source: EP US)

**C04B 41/009 + C04B 35/10**

## Citation (search report)

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- See also references of WO 2012142348A2

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